

L75 TIME BATTERY

A NEW DIGITAL LITHIUM-ION PAGLOK BATTERY INCORPORATING PAG'S UNIQUE POWER & TIME DISPLAY

- ▶ A 14.8V 5.1Ah BATTERY WHICH PROVIDES 75 WATT-HOURS AND WEIGHS ONLY 685g. THE MOST POWERFUL LI-ION BATTERY, FOR ITS SIZE, IN THE INDUSTRY.
- ▶ NO HOT-SWAPPING OR PIGGY-BACKING IS REQUIRED, ONE PAG L75 WILL POWER BOTH A CAMERA AND A 35W LIGHT.



AT THE TOUCH OF A BUTTON THE POWER & TIME DISPLAY PROVIDES:

Time Screens:



Hours



Minutes

Power Screens:



Capacity



Percentage

Specification:
Model 9364 PAG L75 Time Battery.
Connector: Paglok connector, suitable for use with standard Paglok & System RTI.
Cells: Premium grade Lithium-Ion sealed rechargeable cells.
Voltage & Capacity: 14.8V 5.1Ah nominal.
Output Current: Rated continuous output current 5.5A max. (equivalent to a medium power camera together with a regulated 35W light).
Charge Time: 3 hours from fully discharged state. Less if the battery is partially charged.
Variable Charge Voltage: The battery can be manually set to control the charge voltage to either 4.1V per cell for extended cycle life or 4.2V for extended capacity.
Power & Time Display: When on-load, a run-time prediction can be displayed in hours and minutes. Away from the camera remaining available capacity is displayed in ampere-hours (0.1Ah increments) and percentage (1% increments).
Protection: 3 over-current shutdown systems. 2 over-voltage shutdown systems. 2 under-voltage shutdown systems. 2 thermal shutdown systems (including a non-resetting thermal fuse rated 98°C). All protection circuits within the battery are designed to withstand the leakage of electrolyte.
Operating Temperature: +10°C to +40°C.
Weight: 685gm (1.5lb approx.)
Size (excluding Paglok claws): 130 x 86 x 42mm approx. (5.1" x 3.4" x 1.65")

The capacity-to-weight ratio benefits of Lithium-Ion battery technology are well known, but the new PAG L75 Time Battery is the first to utilise Li-Ion cells which are capable of higher discharge rates, and are more applicable to the demands of the broadcast industry. The PAG L75 represents a significant improvement in Li-Ion technology and incorporates many unique features which are the hallmark of PAG's innovative professional broadcast equipment.

The PAG L75 is a 14.8V 5.1Ah pack which provides up to 75 watt-hours of capacity, making it the most powerful Li-Ion battery for its size that the industry has seen. It is the same size as the PAG NMH60, but offers more capacity for a weight of only 685g. The battery has been designed for use with the Paglok system, although, Sony V-Mount to Paglok, and Anton Bauer to Paglok adaptors are available for equipment fitted with these battery mounts.

POWER & TIME DISPLAY

The PAG L75 Time Battery embodies PAG's latest digital technology, and incorporates PAG's unique on-board touch-button Power & Time Display. This provides the user with an accurate indication of remaining battery capacity whenever required.

When the battery is connected to a load, the system is able to calculate and display a run-time prediction, expressed in hours and minutes. The battery's internal computer takes into account the charge status and condition of the cells along with the ambient temperature, to provide a highly accurate run-time prediction, which is continually updated against changes in load.

Away from the camera the Power & Time Display provides an accurate indication of available capacity expressed in both ampere-hours and percentage.

PAG SYSTEM RTI

The PAG L75 is compatible with System RTI, the industry's most accurate in-the-viewfinder Run-Time information system. System RTI is the only digital battery communication system that accurately predicts when the camera's auto-shutdown will occur, and the only one that displays the remaining run-time information in hours, minutes and seconds, updating against changes in load.

Data stored in the internal computer of any PAG digital battery, such as operating capacity, percentage state-of-charge and date of supply can also be displayed in the camera viewfinder.

This battery requires System RTI Version 2, also available as a software upgrade for the earlier version.

CHARGING

The PAG L75 can be charged with PAG AR Series 2 chargers, designed for PAG Li-Ion batteries as well as Ni-MH and Ni-Cd batteries of any manufacturer. A chip-upgrade is available for AR Series 2 chargers already in the field.



VARIABLE CHARGE VOLTAGE

The PAG L75 can be manually set allowing the user to choose between extended battery cycle life or extended capacity. Maximum capacity is achieved with a charge voltage of 4.2V per cell. Alternatively, the cycle life can be extended by charging at 4.1V per cell, although this gives a slightly reduced discharge capacity (87% approx.).

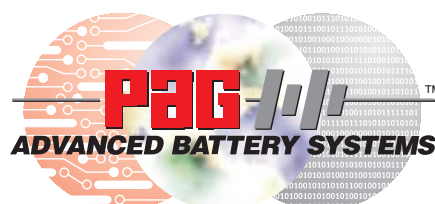
SAFETY

PAG has incorporated a number of unique safety features to ensure that the PAG L75 is the safest Li-Ion battery available.

The battery incorporates a very sophisticated electronic protection system which will disconnect the output if the load becomes excessive. Once removed from the load, battery power will be restored.

The battery will not accept a charge from unsuitable charging supplies, and is protected from accepting a charge if it is too hot or too cold. This is indicated by '°C' when the display button is pressed. Charging is automatically initiated as soon as the temperature is within the correct range.

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Professional Broadcast Equipment

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